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(54) **Cell surface molecule mediating cell adhesion and signal transmission**

(57) Novel cell surface molecules recognized by monoclonal antibodies against a cell surface molecule of lymphocytic cells that play an important role in autoimmune diseases and allergic diseases have been isolated, identified, and analyzed for their functions. The cell surface molecules are expressed specifically in thy-

mocytes, lymphocytes activated by ConA-stimulation, and peripheral blood lymphocytes, and induce cell adhesion. Antibodies against the cell surface molecules significantly ameliorate pathological conditions of autoimmune diseases and allergic diseases.

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EUROPEAN SEARCH REPORT

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| Place of search Munich | | Date of completion of the search 13 December 2004 | Examiner Sommer, B |
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 04 02 2364

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